



6-29-2011

Office of Research, Awards & Recognition, June 29, 2011

University of Tennessee Office of Research

Follow this and additional works at: http://trace.tennessee.edu/utk_researchawards

Recommended Citation

Office of Research, University of Tennessee, "Office of Research, Awards & Recognition, June 29, 2011" (2011). *Awards and Recognitions*.
http://trace.tennessee.edu/utk_researchawards/70

This Newsletter is brought to you for free and open access by the Office of Research at Trace: Tennessee Research and Creative Exchange. It has been accepted for inclusion in Awards and Recognitions by an authorized administrator of Trace: Tennessee Research and Creative Exchange. For more information, please contact trace@utk.edu.

[Office of Research »](#)
[About Us](#)
[Compliance](#)
[Forms](#)
[Funding](#)
[Policies](#)
[Proposal Development](#)
[Sponsored Programs](#)
[TERA](#)
[Training & Workshops](#)
[Coeus](#)
[Awards](#)

Awards for June 1 - 15, 2011

NOTES: Because of cross-program anomalies, orthographic details may be inconsistent and some titles may be truncated. This data set was not distributed in a printed format, therefore no printable PDF version is available.

COLLEGE OF ARTS & SCIENCES

Investigator	Title	Sponsor	Amount
Dai, Pengcheng	Neutron Scattering Studies of Spin and Lattice Dynamics in Electron-doped Iron	National Science Foundation	\$120,000
DeCorse, Elizabeth	Archival Research of the Proposed U.S. Nitrogen Factory Site, Greene County, Tennessee	Quantum Environmental Engineering Services, LLC	\$9,575
Denzler, Jochen	Simons Collaboration Grant	Simons Foundation	\$35,000
Efremenko, Yuri	Search for the Neutrino Less of Double Beta Decay	DOE - US Department of Energy	\$83,000
Egami, Takeshi	Atomistic Study of Bulk Metallic Glasses	UT-Battelle - ORNL	\$38,630
Fedo, Christopher	Geochemical and Iron Isotopic Investigation of Precambrian Banded Iron Formation (3.8-1.9 Ga)	NASA - Headquarters Washington DC	\$28,160
Feng, Xiaobing	Numerical Methods and Algorithms for Fully Nonlinear Second Order Evolution	National Science Foundation	\$72,869
Galloway, Leslie; Gross, Louis	Mammalian Research	UT-Battelle - ORNL	\$13,000
Gordon, Kristina	En-Pareja: A Latino Couples Intervention to Help Expectant Fathers Quit Smoking	Duke University Medical Center	\$29,338
Gordon, Kristina	En-Pareja: A Latino Couples Intervention to Help Expectant Fathers Quit Smoking	Duke University Medical Center	\$35,703
Hettich, Robert; Vonarnim, Albrecht	Research Assistant - Proteomic Characterization	UT-Battelle - ORNL	\$25,500
Hollenbach, Kandace	Subsistence Analysis of 1Ja507, Jackson County, Alabama	Tennessee Valley Archaeological Research	\$1,999
Jones, Robert	The Potential for Biodegradable Materials for Specialty Crops Produced	University of Tennessee - Institute of Agriculture - Extension	\$21,167
Jones, Robert	The Potential for Biodegradable Materials for Specialty Crops Produced	University of Tennessee - Institute of Agriculture - Extension	\$19,291

Mays, Jimmy	Fundamentals of Ionic Conductivity in Polymeric Materials for Energy Storage	UT-Battelle - ORNL	\$24,000
Nebenfuehr, Andreas	Myosin Functions in Root Hairs	National Science Foundation	\$4,495
Stephenson, Kenneth	Collaborative Research in Circle Packing and Discrete Conformal Geometry	Simons Foundation	\$35,000
Stuart, Gregory	Brief Intervention to Reduce Drinking and Intimate Partner Violence in Women	DHHS - NIH - National Institute on Alcohol Abuse and Alcoholism	\$428,604
Taylor, Lawrence; Liu, Yang	Lunar Aerosol Dust Toxicology Advisory Group: Lunar Dust Characterization	NASA - Headquarters Washington DC	\$100,000
Thistlethwaite, Morwen	Deformations of Hyperbolic 3-Manifold Groups and Related Topics	Simons Foundation	\$35,000
Thompson, James	Formation and Properties of Materials for Advanced Energy Technologies	UT-Battelle - ORNL	\$19,559
Weitering, Hanno	Electron and Lattice Dynamics Across Phase Transitions in Triangular Lattice	National Science Foundation	\$120,000
Xue, Bingzhong; Xue, Ziling	STTR: Non-Intrusive Optical Sensor for Characterizing Environmentally Sensitive	InnoSense, LLC	\$80,000
Xue, Ziling	Novel Methods for Chromium and Vanadium Analyses in Biological Fluids	DHHS - Department of Health and Human Services	\$184,023
Zhu, Wenguang	Theory and Simulations of Nanoscale Materials	UT-Battelle - ORNL	\$35,305
Zhu, Wenguang; Zhang, Zhenyu	Predictive Modeling of the Formation and Properties of Energy Relevant Thin Films and Nanostructures	DOE - Ames Laboratory	\$153,972

COLLEGE OF BUSINESS ADMINISTRATION

Investigator	Title	Sponsor	Amount
Cathey, Amy	Social Media Pilot Demonstration Development	Babcock & Wilcox Technical Services	\$11,670
Stewart, Joseph	Air Force Acquisition Improvement Support (FA7014-10-R-0008) - IDIQ	DOD - Department of the Air Force	\$616,206

COLLEGE OF EDUCATION, HEALTH & HUMAN SCIENCES

Investigator	Title	Sponsor	Amount
White, Connie	Tennessee Reading First Professional Development and Data Support	Tennessee Department of Education-Head Start Collaboration Office	\$3,350,810

COLLEGE OF ENGINEERING

Investigator	Title	Sponsor	Amount
Bhat, Gajanan; Durairaj, Baskaran	Nanofiller Reinforced Nonwoven Sandwiched Composites for Asymmetric Explosive Threats Protection	DOD - Department of the Navy	\$120,000

Cherry, Christopher	2011 Dwight David Eisenhower Transportation Fellowship	U.S. Department of Transportation - Federal Highway Administration	\$5,000
Cherry, Christopher	2011 Dwight David Eisenhower Transportation Fellowship	U.S. Department of Transportation - Federal Highway Administration	\$5,000
Dhingra, Rajive; Sawhney, Rapinder	Potential Energy and Greenhouse Gas Emissions Impacts of Next Generation	UT-Battelle - ORNL	\$24,959
Djouadi, Mohamed	Monitoring of Wireless Building Automation Retrofits	UT-Battelle - ORNL	\$10,291
Djouadi, Mohamed	Visual Analytics Tools for Data Analysis	UT-Battelle - ORNL	\$7,704
Djouadi, Mohamed	Effective resolution of the Powgen data from SNS	UT-Battelle - ORNL	\$30,000
Fathy, Aly	Wideband Metamaterial Antennas Integrated into Composite Structures	Applied Nanotech, Inc.	\$9,000
Fu, Joshua	Truck Technology Efficiency Assessment	UT-Battelle - ORNL	\$49,581
Hayward, Jason	Detector-Mask Investigation for Dual Gamma-Ray and Fast Neutron, Imaging	UT-Battelle - ORNL	\$7,064
Hayward, Jason	Characterization of Gamma-Ray Imager for Combined Gamma-Ray and Visible Light	UT-Battelle - ORNL	\$17,759
Hu, Bin	Electromagnetic Responses and Thermoelectric Devices	UES, Inc.	\$112,500
Hu, Bin	Exploring Electrical and Magnetic Resonances from Coherently Correlated	DOD - Air Force Office Scientific Research	\$113,397
Huang, Jian	Scientific Visualization for Climate Modeling Research	UT-Battelle - ORNL	\$6,076
Lee, Ida	SSPM Investigation for Post-Detonation Behavior of Radiological Debris	UT-Battelle - ORNL	\$35,008
Liu, Yilu	Synchrophasor Placement for Estimating Power System Dynamic Responses	Electric Power Research Institute	\$26,500
Liu, Yilu	Data Driven Dynamic Model	Electric Power Research Institute	\$57,000
Maldonado, Guillermo	Verification of the CENTRM Module for High Temperature Gas-cooled Reactor	University of Arizona	\$53,923
McHargue, Carl	Neutron Optics and Crystals	UT-Battelle - ORNL	\$34,234
McHargue, Carl; Kercher, Andrew	Materials for Advanced Gas Reactor Project	UT-Battelle - ORNL	\$28,628
McHargue, Carl; Stewart, David	Modeling and Simulation Studies in Support of Nuclear Energy Systems	UT-Battelle - ORNL	\$39,304
Peterson, Gregory	Reliable Secure Computing	DOD - Department of the Air Force	\$24,572

Peterson, Gregory	AVUD and QCI Projects	UT-Battelle - ORNL	\$30,000
Qi, Hairong	NeTS Small: Distributed Solutions to Smart Camera Networks	National Science Foundation	\$16,000
Townsend, Lawrence	Additional Improvements to the Hzetrn Code and the Nucfrg2 Database	NASA - Langley Research Center	\$105,000
Wang, Fei	Integrated Modular Motor Drive Power Electronics Packaging - Support UW Project	UT-Battelle - ORNL	\$55,074
Wang, Xiaorui	End-to-End Delay Guarantees in Mission-Critical Wireless Sensor Networks	Office Of Naval Research	\$85,000
Wirth, Brian	Modeling Materials Performance in Extreme Environments	UT-Battelle - ORNL	\$121,750

COLLEGE OF NURSING

Investigator	Title	Sponsor	Amount
Gaylord, Nan	Vine School Health Center Fluoride Varnish Program	National Assembly of School Based Health Care	\$15,000

COLLEGE OF SOCIAL WORK

Investigator	Title	Sponsor	Amount
Glisson, Charles; Cheatham, Joanna; Dukes, Denzel; Green, Philip; Hemmelgarn, Anthony	Testing an Organizational Implementation Strategy in Children's Mental Health	DHHS - NIH - National Institute of Mental Health	\$600,094

CAMPUS CENTERS & INSTITUTES

Investigator	Title	Sponsor	Amount
Bell, Larry	Sigma Space - NASA/LBA	Sigma Space Corporation	\$12,023
Chen, Jui-Chi	Tennessee Green Certification Program: Industry Survey	Tennessee Department of Tourist Development	\$1,500
Ezzell, Timothy	Technical Assistance to EECBG and SEP Grantees	UT-Battelle - ORNL	\$27,164
Hall, Howard; Fitzgerald, Michael; Prins, Brandon	Y-12/Baker Center Collaboration on Nuclear Security Studies	DOE - BWXT Y-12, LLC-Oak Ridge National Laboratory	\$60,000
Harrison, Robert	Research Alliance in Math and Science (RAMS) 2011	UT-Battelle - ORNL	\$110,747
Nichols, Jeffrey	Fluids in Nanoporous Matrices	UT-Battelle - ORNL	\$29,432

OTHER

Investigator	Title	Sponsor	Amount
Sullivan, Lynne	NAGPRA Inventory Assessment for Relevant Collections Excavated by TVA's Tellico	Tennessee Valley Authority	\$1,394

